

ABSTRACT OF THE INVENTION

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The present invention relates to isoforms of a human calcium sensing receptor, and to the genes encoding these isoforms. The invention further relates to methods of screening for agonists or antagonists of the isoforms, particularly with respect to calcium receptor activity, to diagnostic uses of these isoforms and to therapeutic uses of the agonists or antagonists. The invention also relates to gene

10 therapy using the genes encoding the receptor isoforms or molecules capable of down-regulating receptor activity, such as antisense sequences.